

CATALOGUE

— OF —

ST. JOHN'S COLLEGE

ANNAPOLIS, MD.,

— FOR —

THE ACADEMIC YEAR 1885-1886.

— AND —

PROSPECTUS FOR 1886-1887.

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ANNAPOLIS:
REPUBLICAN Print.

1886.



CALENDAR.

—1886—

WEDNESDAY, SEPT. 15... Opening of Session and Examination of Candidates for Admission.

THURSDAY, DEC. 23... Commencement of Christmas Vacation.

—1887—

TUESDAY, JAN. 4..... Resumption of College Exercises.

FRIDAY, MAY 6... Anniversary of the Philomathean Society.

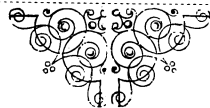
SUNDAY, JUNE 26..... Baccalaureate Sermon.

MONDAY, JUNE 27... Anniversary of the Philokalian Society.

TUESDAY, JUNE 28... Address before the Literary Societies.

WEDNESDAY, JUNE 29..... Address before the Alumni.

THURSDAY, JUNE 30..... Commencement Day.



BOARD OF VISITORS AND GOVERNORS.

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HIS EXCELLENCY, HENRY LLOYD,
Governor of Maryland, Annapolis Md.

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—Trappe, Md.

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—Hagerstown, Md.

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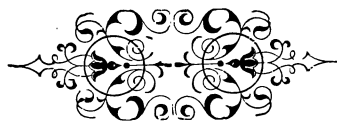
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NICHOLAS BREWER, Esq., *Treasurer*... Annapolis, Md.
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DANIEL M. THOMAS, Esq.,..... Baltimore, Md.
SPRIGG HARWOOD, Esq.,..... Annapolis, Md.
JAMES MUNROE, Esq.,..... Annapolis, Md.
Hon. GEO. WILLIAM BROWN, LL. D.. Baltimore, Md.

N. H. MORISON, LL. D.....Baltimore, Md.
WILLIAM HARWOOD, Esq., *Secretary*. Annapolis, Md.
DAVID HARLAN, M. D., U. S. N.....Churchville, Md.
WILLIAM R. HAYWARD, M. D.....Cambridge, Md.
J. SHAAFF STOCKETT, Esq.....Annapolis, Md.
J. WIRT RANDALL, Esq.....Annapolis, Md.
WILLIAM T. IGLEHART, Esq.....Annapolis, Md.
WILLIAM G. RIDOUT, M. D.....Annapolis, Md.
GEORGE WELLS, M. D.....Annapolis, Md.
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RICHARD H. GREEN, M. D.....Annapolis, Md.
LOUIS G. GASSAWAY, Esq.....Annapolis, Md.
PHILEMON H. TUCK, Esq.....Baltimore, Md.



FACULTY AND INSTRUCTORS,

Session of 1885-86.

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WILLIAM H. HOPKINS, A. M.,

Acting President,

Professor of the Latin, Greek and German Languages.

J. GRATTAN HAGNER, A. M.,

Professor of Mathematics and Acting Professor of
English Literature.

A. SAGER HALL, A. M., PH. D.,

(Graduate and Doctor of Philosophy of Michigan University),

Professor of Chemistry and Physics.

J. H. BAKER, ASST. ENGINEER, U. S. N.,

Professor of Mechanical Engineering.

CHARLES W. FOSTER, U. S. A.,

Professor of Military Science and Tactics and Lecturer
on International and Constitutional Law.

JULES LEROUX,

Professor of the French and Spanish Languages.

WILLIAM W. DAVIS, A. M.,

Superintendent of the Preparatory Department and
Librarian.

EMERSON C. HARRINGTON, A. B.,

Tutor in the Preparatory Department.

DERBY A. LYNCH, Esq.,

Tutor in the Preparatory Department.

Catalogue of Students

DURING THE YEAR 1885-86.

POSTGRADUATES.

Charles Brewer.....Annapolis, Md.
Will B. Shober.....Cumberland, Md.
Jacob Grape, Jr.....(non-resident).....Baltimore, Md.

SENIOR CLASS.

✓ H. F. D. Crownfield.....Baltimore, Md.
✓ Thomas K. Green.....Annapolis, Md. 86
✓ Edward M. Hardcastle.....Trappe, Md.
✓ George C. Schoff.....Annapolis, Md.
✓ Clinton T. Wyatt.....Goldsboro, Md.

JUNIOR CLASS. 87

✓ Frank T. Arms.....U. S. N. Academy.
✓ C. Edwin Carl.....Hancock, Md.
✓ Thomas H. Hicks.....Cambridge, Md.
✓ William L. Purdum.....Fountain Mills, Md.
✓ James H. Quinby.....Bel Air, Md.
✓ John Ridout.....Annapolis, Md.

SOPHOMORE CLASS. 88

✓ W. W. Blunt.....Goshen, Md.
✓ B. M. Cissel.....Highland, Md.
✓ A. L. Dryden.....Crisfield, Md.
✓ J. Felix Fenwick.....Leonardtwn, Md.
✓ J. F. S. Jacobi.....Annapolis, Md.
✓ F. D. Jamesson.....Westernport, Md.
✓ Bernard Murphy.....Lonaconing, Md.
✓ Jacob J. Schoff.....Annapolis, Md.
✓ Wesley Shemwell.....Prince Frederick, Md.
✓ William H. Timmermann.....Highland, Md.

FRESHMAN CLASS. 89

✓ L. S. Blades.....Bishopville, Md.
✓ Thomas Leverett Brewer.....Annapolis, Md.
✓ Jay V. Chase.....Annapolis, Md.

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✓ C. G. Edwards.....Baltimore, Md.
✓ Nicholas H. Green.....Annapolis, Md.
✓ Albert H. Hopkins.....Annapolis, Md.
✓ Frank Leech.....Annapolis, Md.
✓ W. G. T. Neale.....Upper Marlboro', Md.
✓ Herbert Noble.....Port Deposit, Md.
✓ William H. Phillips.....Crownsville, Md.
✓ Charles H. Schoff.....Annapolis, Md.
✓ John G. Tilton.....Annapolis, Md.
✓ William T. Tippet.....Chaptico, Md.
✓ W. E. Trenchard.....Church Hill, Md.
✓ Byron L. Williams.....Finksburg, Md.

FIRST PREPARATORY CLASS.

✓ Edward Abbott.....Annapolis, Md.
✓ John Basil.....Annapolis, Md.
✓ Bernard H. Boone.....St. Margaret's, Md.
✓ Wallace H. Boyd.....Annapolis, Md.
✓ A. Theodore Brady.....Annapolis, Md. 90
✓ J. Clayton Brewer.....Annapolis, Md.
✓ Charles A. Chenoweth.....Pikesville, Md.
✓ William B. Chichester.....Olney, Md.
✓ Douglas F. Duval.....Annapolis, Md.
✓ William B. Gardiner, Jr.....Annapolis, Md.
✓ F. De Sales Howard.....Cox's Station, Md.
✓ William Jickling.....Annapolis, Md.
✓ Hedding B. Leech.....Annapolis, Md.
✓ J. W. Leroux.....Annapolis, Md.
✓ James A. Nydegger.....Elkins, Md.
✓ John L. Paget.....Annapolis, Md.
✓ Walter S. Phillips.....Crownsville, Md.
✓ Louis A. Taylor.....Annapolis, Md.
✓ John T. Truitt.....Powellsville, Md.

SECOND PREPARATORY CLASS.

✓ W. Taylor Aspalld.....Annapolis, Md.
✓ Francis W. Belknap.....U. S. N. Academy.
✓ Charles W. Boone.....St. Margaret's, Md. 91
✓ Stuart Cooper.....Annapolis, Md.
✓ Francis E. Daniels.....Annapolis, Md.

✓John B. Dexter.....	Annapolis, Md.
✓Benson Dunn.....	Annapolis, Md.
✓Harry Ellinghausen.....	Annapolis, Md.
✓Rezin Hammond.....	Crownsville, Md.
✓E. K. Munroe.....	Annapolis, Md.
✓John A. Wise.....	U. S. N. Academy.
George J. Watkins.....	Annapolis, Md.

THIRD PREPARATORY CLASS.

✓J. Claude Billingslea.....	Annapolis, Md.
✓George C. Hawkins.....	Annapolis, Md.
✓Charles W. Hopkins.....	Annapolis, Md.
✓Edward H. Joyce.....	Arnold's, Md.
✓Peter H. Magruder.....	Annapolis, Md.
✓Daniel L. Medford.....	Annapolis, Md.
✓Charles G. Munroe.....	Annapolis, Md.
✓Marshall F. Oliver.....	Annapolis, Md.
✓John L. Phillips.....	Annapolis, Md.
✓Hugh R. Riley.....	Annapolis, Md.
✓Arthur Ross.....	Annapolis, Md.
✓Richard B. Smith.....	Annapolis, Md.
✓Charles C. Woolley.....	Annapolis, Md.
✓John Zimmermann.....	Annapolis, Md.

Post Graduates.....	3
In Collegiate Department.....	37
In Preparatory Department.....	45

Total in College..... 85



DEGREES CONFERRED AND CERTIFICATES OF DISTINCTION AWARDED

— ON —

Commencement Day, June 23, 1885.

Bachelor of Arts:

Henry Bower Gorgas.....	Philadelphia, Pa.
Benjamin Parker Truitt....	Quantico, Worcester Co., Md.

PROFICIENT

In Physics and Chemistry, English, Drawing, International and Constitutional Law:

Charles Brewer.....	Annapolis, Md.
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In Mathematics, History, English and Law, Physics and Chemistry, French and German:

John Levi Chew.....	Prince George's Co., Md.
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In Physics, Chemistry and French, and Distinguished in History, English and Law:

J. Harwood Iglehart.....	Annapolis, Md.
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In Physics and Advanced Chemistry, and in History, English and Law:

Will Bush Shober.....	Cumberland, Md.
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In Chemistry and Physics, and in German:

Charles Aloysius Jacobi.....	Annapolis, Md.
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In French, (with Distinction):

Henry Bower Gorgas.

In Military Science and Tactics:

Charles Brewer,	John L. Chew,
Henry B. Gorgas,	Benj. P. Truitt.

Certificates of Distinction of the Second Grade.

(For the attainment of at least 80 per cent. in all studies, and not less than 50 per cent. in any.)

In the Preparatory Department:

Francis Belknap.....	Third Class.
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In the Collegiate Department:

Wm. W. Blunt.....	Freshman Class.
A. Lincoln Dryden.....	Freshman Class.
Bernard Murphy,*.....	Freshman Class.
Preston Bowles.....	Sophomore Class.
C. Edwin Carl,*.....	Sophomore Class.
Wm. L. Purdum.....	Sophomore Class.
John L. Chew.....	Senior Class.
Henry B. Gorgas, (Second Honor,).....	Senior Class.
Benj. P. Truitt,* (First Honor,).....	Senior Class.

*These students attained an average of more than 88 per cent. in all studies.

PROSPECTUS

—OF THE—

ACADEMICAL YEAR 1886--87.

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HISTORY, LOCATION AND ACCESS.

The charter of St. John's College was granted in 1784, and the institution opened in 1789. But under another form and name it had been doing its work during nearly a hundred previous years, and is, therefore, one of the oldest colleges in the country. At the City of St. Mary's, then the capital of Maryland, as early as 1671, the Upper House of the General Assembly passed an Act "for founding and erecting a school or college for the education of youth in learning and virtue." This was followed by the Act of 1696, establishing KING WILLIAM'S SCHOOL, which was opened in 1701. Here were educated some of the most distinguished sons of Maryland—physicians, lawyers, statesmen, clergymen—and pre-eminent among the brilliant number was William Pinkney, whose learning and eloquence have a national fame. KING WILLIAM'S SCHOOL was, in 1784, merged into St. John's College, which has thus been connected with the State of Maryland from the early times of colonial history. Francis Scott Key, author of our favorite national ode, and Reverdy Johnson, distinguished as a lawyer and a statesman, are among its alumni, and many others, scarcely less eminent, could be mentioned.

The college is pleasantly situated at Annapolis, on the banks of the Severn river, a few miles from the Chesapeake bay. Nothing in the country surpasses the picturesque beauty of its situation. The college green is spacious, amply shaded, and most attractive to the eye, while the campus, in the rear, is admirably adapted for sports. Bordering the grounds, "College Creek," a branch

of the Severn, affords every facility for swimming and boating. Indeed, the situation combines every advantage desirable for a college. The buildings are large, commodious, and well adapted for purposes of both classical and technical education, and could accommodate two hundred students.

Annapolis has railroad communication with Baltimore and Washington three times a day, daily steamboat connection with the former city, and telegraphic connection with every part of the country.

Courses of Study.

The Preparatory Department of the college has three classes, entitled first, second and third, according to grade of studies. Students of the First Preparatory Class, who pass a satisfactory examination, are qualified for admission into the Freshman Class of the college. For scheme of studies see page 13.

The Collegiate Department embraces four courses for undergraduates, each occupying four years, viz:

1. The Classical, leading to the degree of Bachelor of Arts;
2. The Latin-Scientific, leading to the degree of Bachelor of Letters;
3. The Scientific, leading to the degree of Bachelor of Science;
4. The Mechanical Engineering course, leading to the degree of Mechanical Engineer.

The scheme of studies in the different courses, arranged, for the sake of comparison, in parallel columns, will be found on pages 14 to 17. In order to obtain one of the above-mentioned degrees, a student must have completed satisfactorily the course as herein laid down; but for such as may not be studying for a degree, select courses will be arranged according to the option of parents and guardians, subject to the approval of the Faculty. On the successful completion of such special courses certificates will be given.

Postgraduate courses are arranged for those graduates who wish to become candidates for the Master's degree. See page 23.

Time and Terms of Admission.

The regular examinations for admission into the College or the Preparatory Department are held on the third Wednesday and following Thursday of September in each year, and candidates for admission are requested to be present, if possible, on those days. Testimonials of good moral character must be furnished by each applicant, those of former teachers being preferred, and, if from another college, he must present a certificate of honorable discharge.

Candidates for the degree of Bachelor of Arts, to obtain admission to the Freshman Class, must, unless they have passed through the regular course in the Preparatory Department, sustain an examination in the following studies:

English Grammar and Composition, (including Punctuation); U. S. History; History of England; Ancient and Modern Geography; Physical Geography; Physiology; Arithmetic; Algebra through Quadratic Equations, especially Factoring and Fractions; Hadley's, Goodwin's or Kuhner's Greek Grammar; White's Greek Lessons; Xenophon's Anabasis, (three books); Harkness', Gildersleeve's or Allen and Greenough's Latin Grammar; Cæsar's Commentaries, (four books); Ovid, (fifteen hundred lines); Virgil, (two books of the *Æneid*); Latin and Greek Composition.

Candidates for other degrees must pass the same examination, except in Greek.

Candidates for admission to any higher class must be examined in all the previous studies of the class they enter.

Students pursuing a Select Course may enter any classes for which they are fitted, the number of their studies being subject to the direction of the Faculty.

Candidates for admission into the lowest class of the Preparatory Department must be well grounded in the elements of a primary English education. They will be examined in Reading, Writing, Spelling, Arithmetic, Geography and English Grammar.

SCHEME OF STUDIES

IN THE

Preparatory Department.

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Third Preparatory Class.

Reading; Declamation, Spelling and Dictation Exercises.

English Grammar (begun).

United States History (begun).

English Composition and Penmanship.

Modern Geography (begun).

Arithmetic (begun).

Latin Lessons (begun).

Second Preparatory Class.

Reading, Declamation, Spelling and Dictation Exercises.

English Grammar (finished).

United States History (finished).

Arithmetic (finished).

Latin Lessons (finished); Cæsar (begun).

Modern Geography (finished).

Greek Grammar and Lessons.

First Preparatory Class.

English Composition; Declamation; Etymology; Punctuation.

Physical Geography.

Ancient Geography.

History of England.

Physiology.

Bookkeeping.

Wentworth's Complete Algebra (begun).

Latin—Cæsar; Ovid; Virgil; Latin Prose Composition; Latin Grammar.

Greek—Lessons (continued); Xenophon's Anabasis; Goodwin's Grammar.

COLLEGIATE COURSES—Arranged by Years and Terms.

FRESHMAN YEAR.		CLASSICAL COURSE.	Hours per week.	LATIN-SCIENTIFIC COURSE.	Hours per Week.	SCIENTIFIC COURSE.	Hours per Week.	MECHANICAL ENGINEERING COURSE.	Hours per Weeks.
FIRST TERM.		Greek: Herodotus; Prose Composition.	4	English: English Composition.	4	English: English Composition.	4	Shop Work and Drawing.....	5
		Latin: Virgil; Cicero's Oration; Prose Composition.	5	Latin: Virgil; Cicero's Oration; Prose Composition.	5	Science: Zoology.....	5	Science: Zoology.....	5
SECOND TERM.		Mathematics: Algebra (Wentworth).	5	Mathematics: Algebra (Wentworth).	5	Mathematics: Algebra (Wentworth).	5	English: Eng. Composition..	4
		History: General (Anderson).	3	History: General (Anderson).	3	History: General (Anderson).	3	Mathematics: Algebra (Wentworth).	5
		French: Grammar; Oral and Written Exercises.	2	French: Grammar; Oral and Written Exercises.	2	French: Grammar; Oral and Written Exercises.	2	History: General (Anderson).	3
		Original Essays; Declamation.		Original Essays; Declamation.		Original Essays; Declamation.		French: Grammar and Exercises.	2
								Original Essays; Declamation.	
FIRST TERM.		Greek: Homer; Composition.	4	English: Lounsbury's History of English Language..	4	English: History of the English Language.	4	Shop Work and Drawing.....	5
		Latin: Livy; Composition.....	5	Latin: Livy; Composition.....	5	Science: Botany.....	5	Science: Botany.....	5
SECOND TERM.		Mathematics: Geom'try (Plane and Solid).	5	Mathematics: Geometry (Plane and Solid).	5	Mathematics: Geometry (Plane and Solid).	5	English: Lounsbury's History Eng. Language.	4
		History: General (Anderson)..	3	History: General (Anderson).	3	History: General (Anderson).	3	Mathematics: Geom'try (Plane and Solid).	5
		French: Grammar and Exercises; Knapp's French Readings.	2	French: Grammar and Exercises; Knapp's French Readings.	2	French: Grammar and Exercises; Knapp's French Readings.	2	History: General (Anderson)..	3
		Original Essays; Declamation.		Original Essays; Declamation.		Original Essays; Declamation.		French: Grammar and Exercises; Knapp's French Readings.	2
								Original Essays; Declamation.	

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SOPHOMORE YEAR.		FIRST TERM.	Hours per week.	SECOND TERM.	Hours per Week.	FIRST TERM.	Hours per Week.	SECOND TERM.	Hours per Weeks.
FIRST TERM.		Greek: Plato (Apologia and Crito); Euripides (Medea or Alcestis); Composition.	4	Science: Physics.....	4	Science: Physics.....	5	Science: Physics.....	4
		Latin: Horace (Odes and Epodes); Cicero (De Senectute); Terence (Andria); Composition.	4	Latin: Horace (Odes and Epodes); Cicero (De Senectute); Terence (Andria); Composition.	4	English: Trench on the Study of Words.	3	English: Trench on the Study of Words.	3
SECOND TERM.		Mathematics: Trigonometry..	4	Mathematics: Trigonometry..	4	Mathematics: Trigonometry..	4	Mathematics: Trigonometry..	4
		History: Grecian.....	3	History: Grecian.....	3	History: Grecian.....	3	Shop-work and Drawing.....	5
		French: Grammar and Exercises; Knapp's French Readings.	2	French: Grammar and Exercises; Knapp's French Readings.	2	French: Grammar and Exercises; Knapp's French Readings.	2	French: Grammar and Exercises; Knapp's French Readings.	2
		German: Otis' Elementary Grammar.	2	German: Otis' Elementary Grammar.	2	German: Otis' Elementary Grammar.	2	German: Otis' Elementary Grammar.	2
		Original Essays; Declamation.		Original Essays; Declamation.		Original Essays; Declamation.		Original Essays; Declamation.	
FIRST TERM.		Greek: Demosthenes (De Corona); Sophocles (Edipus Rex); Composition.	4	Science: Physics.....	4	Science: Physics.....	5	Science: Physics.....	4
		Latin: Horace (Satires and Epistles); Composition.	4	Latin: Horace (Satires and Epistles); Composition.	4	English: Elementary Rhetoric.	3	English: Elementary Rhetoric.	3
SECOND TERM.		Mathematics: Analytical Geometry; Descriptive Geometry.	4	Mathematics: Analytical Geometry; Descriptive Geometry.	4	Mathematics: Analytical Geometry; Descriptive Geometry.	4	Mathematics: Analytical Geometry; Descriptive Geometry.	4
		History: Roman.....	3	History: Roman.....	3	History: Roman.....	3	Shop-work and Drawing.....	5
		French: Grammar and Exercises; Knapp's Readings; Original Compositions.	2	French: Grammar and Exercises; Knapp's Readings; Original Compositions.	2	French: Grammar and Exercises; Knapp's Readings; Original Compositions.	2	French: Grammar and Exercises; Knapp's Readings; Original Compositions.	2
		German: Otis' Elementary Grammar.	2	German: Otis' Elementary Grammar.	2	German: Otis' Elementary Grammar.	2	German: Otis' Elementary Grammar.	2
		Original Essays; Declamation.		Original Essays; Declamation.		Original Essays; Declamation.		Original Essays; Declamation.	

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COLLEGIATE COURSES—Continued.

JUNIOR YEAR.		CLASSICAL COURSE.	Hours per Week.	LATIN-SCIENTIFIC COURSE.	Hours per Week.	SCIENTIFIC COURSE.	Hours per Week.	MECHANICAL ENGINEERING COURSE.	Hours per Week.
FIRST TERM.		Science: (The particular branch elective.)	4, 5	Science: Physics.....	4	Science: Physics.....	4	Science: Physics.....	4
		Latin: Tacitus (Agricola and Germania); Composition.	3	Latin: Tacitus (Agricola and Germania); Composition.	3	Mathematics: Differential Calculus.	4	Mathematics: Differential Calculus.	4
SECOND TERM.		English: History of Eng. Literature; or Political Economy.	2	English: History of Eng. Literature; or Political Economy.	2	English: History of English Literature; or Political Economy.	2	Shop-work and Drawing.....	5
		History: Mediæval and Modern.	3	History: Mediæval and Modern.	3	History: Mediæval and Modern.	3	History: Mediæval and Modern.	3
FIRST TERM.		French: Gasc's Translator or Sadler's Versions (English into French); Victor Hugo's Ruy Blas.	2	French: Gasc's Translator or Sadler's Versions (English into French); Victor Hugo's Ruy Blas.	2	French: Gasc's Translator or Sadler's Versions (English into French); Victor Hugo's Ruy Blas.	2	French: Gasc's Translator or Sadler's Versions (English into French); Victor Hugo's Ruy Blas.	2
		German: Grammar and Exercises; Schiller's Wilhelm Tell.	2	German: Grammar and Exercises; Schiller's Wilhelm Tell.	2	German: Grammar and Exercises; Schiller's Wilhelm Tell.	2	German: Grammar and Exercises; Schiller's Wilhelm Tell.	2
SECOND TERM.		Original Essays; Declamat'ns.		Original Essays; Declamat'ns.		Original Essays; Declamat'ns.		Original Essays; Declamat'ns.	
		Science: (The particular branch elective.)	4, 5	Science: General Chemistry....	4	Science: General Chemistry....	4	Science: General Chemistry....	4
FIRST TERM.		Latin: Plautus (Captivi); Tacitus (Histories); Composition.	3	Latin: Plautus (Captivi); Tacitus (Histories); Composition.	3	Mathematics: Integral Calculus.	4	Mathematics: Integral Calculus.	4
		English: History of English Literature; Studies in Shakespeare.	2	English: History of English Literature; Studies in Shakespeare.	2	English: History of English Literature; Studies in Shakespeare.	2	Shop-work and Drawing.....	5
SECOND TERM.		History: Mediæval and Modern.	3	History: Mediæval and Modern.	3	History: Mediæval and Modern.	3	History: Mediæval and Modern.	3
		French: Original Compositions and Translations (alternating).	2	French: Original Compositions and Translations (alternating).	2	French: Original Compositions and Translations (alternating).	2	French: Original Compositions and Translations (alternating).	2
FIRST TERM.		German: Grammar and Exercises; Schiller's Wilhelm Tell; Goethe's Hermann and Dorothea.	2	German: Grammar and Exercises; Schiller's Wilhelm Tell; Goethe's Hermann and Dorothea.	2	German: Grammar and Exercises; Schiller's Wilhelm Tell; Goethe's Hermann and Dorothea.	2	German: Grammar and Exercises; Schiller's Wilhelm Tell; Goethe's Hermann and Dorothea.	2
		Original Essays; Declamat'ns.		Original Essays; Declamat'ns.		Original Essays; Declamat'ns.		Original Essays; Declamat'ns.	

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SENIOR YEAR.		FIRST TERM.	SECOND TERM.
FIRST TERM.		Science: (The branch elective).	5, 10
		Astronomy.....	1
SECOND TERM.		Latin: Tacitus (Annals); Juvenal; Composition.	3
		Law: International.....	2
FIRST TERM.		Christian Evidences.....	1
		German: Oral and Written Exercises; Lessing's Minna von Barnhelm; Goethe's Egmont.	2
SECOND TERM.		Military Science and Tactics.	2
		Original Essays; Declamations.	
FIRST TERM.		Science: Analytical Chem'try	10
		Astronomy.....	1
SECOND TERM.		Latin: Tacitus (Annals); Juvenal; Composition.	3
		Law: International.....	2
FIRST TERM.		Christian Evidences.....	1
		German: Oral and Written Exercises; Lessing's Minna von Barnhelm; Goethe's Egmont.	2
SECOND TERM.		Military Science and Tactics.	2
		Original Essays; Declamations.	
FIRST TERM.		Science: Analytical Chem'try	10
		Astronomy.....	1
SECOND TERM.		Latin: Tacitus (Annals); Juvenal; Composition.	3
		Law: International.....	2
FIRST TERM.		Christian Evidences.....	1
		German: Oral and Written Exercises; Lessing's Minna von Barnhelm; Goethe's Egmont.	2
SECOND TERM.		Military Science and Tactics.	2
		Original Essays; Declamations.	

Remarks on Courses.

It will be seen that in the Classical course, the study of Greek and Mathematics is discontinued after the Sophomore year, at which point the study of the Sciences begins. The Classical student will thus devote two years to scientific study, the particular branches being elective. Also, the student of the Latin Scientific course, taking no Greek at all, and discontinuing Mathematics at the end of the Sophomore year, enjoys a fuller course in English, and begins the study of science earlier than the Classical student. In the Scientific and Mechanical Engineering courses, in which neither Latin nor Greek is required, (except the Latin required for admission), four years are given to Zoology, Botany, Physics and Chemistry, and to Mathematics. Also, in the Scientific course, four years are given to the study of English. A full course in both French and German—three years in each—is required for every degree.

Departments.

The course of instruction embraces the following departments:

I. *Ancient Languages*—Including the Latin and Greek Languages, Antiquities and Mythology, and the History of Greek and Roman Literature.

II. *Modern Languages*—Including the French and German Languages and Literature.

III. *Mathematics*—Including Pure Mathematics and Mechanics.

IV. *Natural Science*—Including Zoology, Botany, Physics, Chemistry and Astronomy.

V. *History, English and Law*—Including Ancient, Mediæval and Modern History, English Composition, Rhetoric and Elocution, History of the English Language and Literature, and International and Constitutional Law.

VI. *Mechanical Engineering.*

VII. *Military Science and Tactics.*

The Departments of Mechanical Engineering and Military Science and Tactics having been recently organized, the following description of the course in each is appended:

Mechanical Engineering.

The course in this Department will cover four years and consist of both *theoretical* and *practical* instruction. A work-shop has been opened, in which each engineering student is required to spend several hours per week. This shop will be enlarged as circumstances demand.

Each student has also several hours' practice per week in the Drawing-room, receiving instruction in mechanical, linear-perspective, isometrical and free-hand drawing. In connection with this branch, during the Sophomore and Junior years, each student has one problem per week in Descriptive Geometry. These problems are made as practical as possible. The Junior and Senior students have practice in designing, and each one is required to make complete working drawings of at least one machine of his own design.

The lectures in design and fabrication of machinery, and in contracts and estimates, cover the Junior and Senior years, and are considered a very important part of the course.

For outline of the course, arranged by years and terms, see pages 14 to 17.

COURSE IN SHOPS ACCOMPANYING THE COURSE IN MECHANICAL ENGINEERING.

Wood-Room—Bench-Work; Wood-Turning.

Iron-Room—Bench-Work; Lathe-Work; Drilling; Screw Cutting; Tool Making; Management of Steam Machinery.

Boiler Shop—Riveting; Patching; Bending; Manufacturing of Boilers.

Blacksmith Shop—Bending; Welding; Tempering; Forging.

The degree of M. E., (Mechanical Engineer), together with a diploma certifying to this effect, will be conferred at the Annual Commencement upon all graduates of this Department.

Military Science and Tactics.

Under Section 1225 of the Revised Statutes of the United States, relating to Military Instruction in Colleges and Universities, this College has secured the services of an Officer of the U. S. Army as Professor of Military Science and Tactics, and, by the same authority, is supplied with arms, ammunition and accoutrements for the use and instruction of the students as Military Cadets.

The students are at present divided into two companies, and are drilled four times a week in United States Army Tactics, infantry and artillery. The course also includes a weekly lecture on Military History, the individual instruction of Cadet Officers, Court Martial and Guard duty, construction of Field Works, and Target Practice. All students (except such as may be physically disqualified) are required to engage in the military exercises as a part of their physical training. A suit of blue, with caps to match, of good material and workmanship, has been selected as the uniform of the cadets, and is required for the military drills and parades. The uniform, including cap, costs from \$12 to \$18, according to the quality of the material and the size of the student.

This Department of the College is confidently recom-

mended to the favorable consideration of parents and guardians as being efficiently conducted, highly important as a means of discipline, and promotive of a vigorous and harmonious physical development.

Department of Natural Science.

The studies of the several classes have been so arranged as to make instruction in Physics and Chemistry a prominent part of the Collegiate course. Additions are from time to time made to the philosophical apparatus, and every effort used to make the laboratories and cabinet as complete as possible. Contributions for illustration of any of the branches of this department will be thankfully received.

Some important changes having recently been made in this department, an account of the work as now organized is here given.

1. *Zoology*—The study of Zoology will be pursued during the first term of the Freshman Year. The proximity of the College to the water affords special advantages for the study of marine forms of animal life.

2. *Botany*—In this branch special attention will be given to systematic Botany, the work consisting of daily recitations from text-books, and the class making frequent excursions to the woods, so as to study the habitat of the various plants. Students will be required to analyze from 100 to 125 specimens, and are expected to become so familiar with the characteristics of twenty or more families, that they can recognize at sight plants belonging thereto. In addition, the course will include elementary studies in Structural and Physiological Botany, the instruction in which will be largely by lectures.

3. *Physics*—This subject is pursued for a year and a half. The first term of the Sophomore is employed in the study of Mechanics, Dynamics, Hydrostatics, Pneumatics, etc.; also, of the subject of Sound. The second term of that year is given to Heat and Light, and the first term of the Junior Year to Electricity. The work

consists of almost daily recitations from Ganot's Physics, accompanied by more difficult experiments performed by the Professor. The class will be required, in the solution of a large number of practical problems, to make frequent application of the principles learned.

4. *Chemistry*.—In this branch the second term of the Junior Year is devoted to General Chemistry, particularly of the non-metals, that the student may become familiar with the elementary gases and the methods of manufacturing the acids and many other common reagents. The whole of the Senior year is devoted to analytical Chemistry. During the first term of that year the student learns the action of each reagent on the bases and acids. This work is continued until the student becomes so familiar with their reactions that he can himself devise methods of separating them from each other. The remainder of the first term is then spent in the analysis of known material according to well arranged and easy methods. The text-book is Prescott's smaller or larger Qualitative Analysis. The student is recommended to purchase the latter because of its being better adapted to the first part of the work here described. The course consists of daily work in the laboratory together with daily recitations on the work of the day previous. The student is early taught to become familiar with the writing of reactions, and an important part of his recitations consists in the expressing, in chemical equations, of the relations previously described. During the second term the student is given unknown material containing from two to five bases with acids, and he is expected to have become so familiar with the methods of separation that he can follow the tables without text-books, and usually, upon first report, name the elements contained in the substance analyzed. Each student is provided with a table together with all the common reagents and necessary apparatus. An account is kept of the reagents and apparatus thus provided, as well as of all returned by the student at the end of the year, the charge being made as small as will

suffice to cover expenses. The cost of these, including gas, has averaged from \$5 to \$6 per year to each student. Special attention is called to this fact, as it is believed that no college in the land affords its students equal opportunities to become thoroughly acquainted with qualitative analysis at so small a cost. During this term, also, special attention is paid to the writing of oxidation and reduction equations by a new method, whereby the pupil cannot fail to express any reaction, however difficult, when he knows the most important substances formed. Lectures in Organic Chemistry will also be given, so that the student may readily learn the simplest facts relating to this subject.

A course in Quantitative Analysis can be given to any student who may wish to pursue the study further.

Post-Graduate Courses.

Post-Graduate courses extending through two years, and pursued at the College or elsewhere, are assigned by the Faculty to candidates for the Master's degree.

Candidates for this degree are required to select at least two of the departments of study specified in this catalogue, and, under the direction of the professors of these departments, to pursue their studies for the two years of the Post-Graduate course, submitting to them such essays, or undergoing such oral or written examinations, as may be required to test their qualifications for this degree.

Any graduate of the College who shall have been admitted a member of one of the learned professions, or who shall have obtained a diploma from any Law, Medical, Theological or Scientific School, shall be entitled to the Master's degree three years after his graduation. The degree of Master is not conferred *in course*, but only on evidence of proficiency in advanced studies, as above indicated.

Examinations, Reports, Conduct.

Written examinations on the studies of the entire term are held at the close of each term. The marks for

these examinations are combined with the marks for daily recitations to make up the student's standing for the term. Any student whose examinations, at the close of a year, shall evince an incapacity on his part to pursue with advantage the studies of the class to which he belongs, will have offered to him, on the first day of the next year, an opportunity to retrieve his lost position, and, in default of doing so, will be reduced to a lower class.

A student deficient in knowledge, or persistently neglectful of any study, is at any time liable to be reduced to a lower class in that study.

A merit roll is kept, and each recitation noted on the grade of from 0 to 5. In order to pass from a lower to a higher class in any study, each student must obtain an average of 2.5 on the recitations and on the examinations of the second term, and also an average of 2.5 on the recitations of the whole session, and the same average on the semi-annual and annual examinations combined. Demerits will be given for all absences not excused, and for violation of College regulations. Reports respecting conduct and scholarship will be sent every month to the parents or guardians of students. Whenever any student of the Collegiate Department has 100 demerits for any one term, or 150 for the year, or any student of the Preparatory Department has 125 demerits for any one term, or 200 for the year, he must leave the institution.

Each student is required to obey all the laws of the College so long as he shall remain a member of it, and whenever any student can no longer cheerfully comply with college rules he will be required to leave the institution.

All students are required to be present promptly on the opening day of the session, and no student will be permitted to leave the College while College exercises are progressing, except in cases of urgent necessity, and at the written request of his parent or guardian. The at-

tention of parents and guardians is especially called to these regulations, and their co-operation earnestly requested. They are also solicited, on the occasion of holidays, not to detain students at home beyond the time allotted for suspension of College exercises. A student when absent is marked zero on all omitted recitations. These marks will be subsequently erased by vote of the Faculty, provided the cause of absence is found to be protracted illness; in short absences (of a day or two) the student is allowed to make up the omitted recitations only in case of actual sickness.

Certificates of Distinction of the First and of the Second Grade are presented to those students in any class who shall have obtained an average of 4.5 and of 4, respectively, in all their studies, and shall have been satisfactory in conduct, for the academic year.

Students who have obtained an average of 4.5 in any one branch of study are honorably mentioned; but no student is honorably mentioned, nor is any certificate or degree conferred upon any student who has failed to receive the passing mark (2.5) in any one study for the academic year.

Library.

The library of the College consists of about 6,000 volumes, the use of which is permitted to the students under certain regulations. Through the liberality of the Legislature of 1872, and donations from the classes of '71, '72 and '73, extensive additions have been made to the library, and, by means of the regular library fund, subscriptions have been made to a number of American and Foreign periodicals. A complete library being an indispensable auxiliary to the intellectual advancement of professors and students, the claims of the College library are commended to the alumni of the College and to the friends of education in the State. Any contributions of books or funds for the library will be gratefully acknowledged.

Literary Societies.

There are two Literary Societies (the Philokalian and the Philomathean) among the students, which afford opportunities for the cultivation of composition and debate. An oration is usually delivered before these societies, on the Tuesday preceding Commencement Day, by some gentleman selected by them.

Degrees.

The following academic degrees are conferred by the College:

1. The degree of *Bachelor of Arts*, conferred after the satisfactory completion of the Classical course.
2. The degree of *Bachelor of Letters* conferred, in like manner, upon graduates in the Latin-Scientific course.
3. The degree of *Bachelor of Science*, upon graduates in the Scientific course.
4. The degree of *Mechanical Engineer*, upon graduates in the course of Mechanical Engineering.
5. The *Master's* degree, (whether of *Arts*, *Letters*, or *Science*), conferred after the completion of a Post-Graduate course, and upon the recommendation of the Faculty.

Society of Alumni.

The Society of Alumni holds its annual meetings on the day preceding Commencement Day, on which occasion an oration is delivered by one of its members. All former students who have completed their collegiate education (whether graduates or not) at St. John's College, and left in good standing, are considered members of this society. It numbers on its roll many names prominent in the history of the State.

Public Worship and Religious Instruction.

The exercises of each day are opened with the reading of the Scriptures and prayer in the College Hall.

It must not be assumed, because St. John's is a non-sectarian college, that religious instruction is ignored in its work and government. On the contrary, every oppor-

tunity will be offered for the fullest development of the Christian character. The study of Christian Evidences is assigned an important part in the College curriculum. All students are required to attend public worship on Sundays, and at other times, at such church as their parents may direct. Arrangements have been made by the College authorities with the clergy of the several religious denominations of Annapolis by which students may enjoy the advantages of special instruction in the tenets of their respective churches.

Terms and Vacations.

The Annual Commencement of the College takes place on the last Thursday in June.

The collegiate year begins on the third Wednesday in September and ends on the last Thursday in June. The year is divided into two equal terms.

The regular vacations extend from the last Thursday in June to the third Wednesday in September, and from the 23rd of December to the first Monday in January, both inclusive. The 22nd of February, Good Friday, Easter Monday and the 4th of July are holidays, as is also the day of Public Thanksgiving appointed by the Governor of Maryland, or by the President of the United States.

Expenses.

The charge for the entire scholastic year, beginning on the third Wednesday in September and ending on the last Thursday in June, for students' lodging and boarding in the College Halls, is as follows:

For students of the Collegiate Department.	\$275	00
" " " " First Preparatory Class.	260	00
" " " " Second " "	250	00
" " " " Third " "	240	00

Every such student is also required to deposit with the Treasurer a fee of \$1.50 per term, to be paid by him to such church as the student may attend.

These amounts cover all the ordinary College expenses for boarders, except text-books, and must be invariably

paid semi-annually *in advance*; that is, one-half at the opening of the first term in September, and one-half at the opening of the second term, on the 15th of February following. *No deduction will be made, except for the protracted absence of a student caused by his sickness.*

Students lodging in the College buildings and boarding elsewhere, in clubs or otherwise, are charged from \$10 to \$15 per annum for room-rent.

For charges paid by incumbents of Senatorial Scholarships, see page 30.

The fees of students who reside in Annapolis, are as follows :

In the Preparatory Department, for each Term, payable in advance, for tuition and other charges :

First Class.....	\$30 00
Second Class.....	25 00
Third Class.....	20 00

In the Collegiate Department, for each Term, payable in advance :

Tuition.....	\$45 00
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No student will be matriculated, nor will his name be entered upon the rolls of any term, until he shall present to the Faculty a receipt from the Treasurer for all dues and arrearages; and no diploma will be awarded unless the candidate shall present to the Faculty a similar receipt, including a fee of ten dollars for diploma.

Wilful damage will be made the ground of additional charge, to be defrayed by the perpetrator.

Students holding Senatorial Scholarships are required to lodge in the College Halls and board at the College Commons.

Students not holding Senatorial Scholarships are required to provide themselves with furniture, including stove. Furniture may, however, be hired from the Steward at a reasonable rate.

The boarding house will be closed during the Christmas and Summer vacations.

Disbursements will be made for personal expenses of students if funds shall be deposited by parents for this purpose, *but no advances will be made by the College.* Books will also be furnished to students, provided a deposit of ten dollars be made for that purpose at the beginning of each term. At final settlement the unexpended balance, if any, will be refunded.

State Scholarships for Board and Tuition.

The General Assembly of the State (Acts of 1872, chapter 393, and 1878, chapter 315), has provided for furnishing board, fuel, lights and washing to the incumbent of one State Scholarship from each Senatorial District in the State, to be appointed by the Board of School Commissioners, by and with the advice and consent of the Senators in their respective districts, *after competitive examination. The law requires that the candidates shall produce before the Board of School Commissioners satisfactory evidence, of their moral character, and of their inability, or the inability of their parents or guardians, to pay the regular College charges.* A blank form of certificate, drawn in conformity to the above law, will be forwarded to the Secretaries of the several School Boards for the use of the appointees to the said scholarships. These scholarships are tenable for four years, and the incumbents are required by law to pledge themselves that they will continue students of the College for the full term of four years, unless prevented by unavoidable necessity, and that they will teach school within the State for not less than two years after leaving College. To obtain a full collegiate education, the object contemplated by the Act, candidates should be prepared to enter at least the Freshman Class of the College. The Boards of School Commissioners are *earnestly requested* to exercise great care in the selection of these students, and especially to appoint none deficient in preparation. The Faculty is empowered to extend the term of these scholarships one year in case of worthy students.

The incumbents of these scholarships will hereafter

be required to provide their own text-books, and to pay into the treasury of the College, at the beginning of each term, the sum of \$37.50, from which no deductions will be made for absence.

There are known to be at this date (July 20, 1886), six vacancies in these scholarships, viz: one each from the counties of Caroline, Kent, Harford, Somerset and Talbot, and from the Second Legislative District of Baltimore city.

In filling these vacancies the Boards of School Commissioners are requested (other things being equal) to appoint those candidates who are not less than sixteen years of age, and are most advanced in their studies. It is desired that all applicants hereafter should be prepared, in *at least* Mathematics and English studies, to enter the Freshman Class of the College.

The Secretaries of the several School Boards are requested to communicate to the President of the College the names of those former incumbents of these scholarships who are now, or may hereafter be, employed in teaching in their respective counties or in the City of Baltimore.

Collegiate Scholarships.

The following regulations have been made by the Board of Visitors and Governors for the establishment of scholarships in connection with the College:

For a permanent scholarship for tuition, \$1,200. For a permanent scholarship for board and tuition, \$4,000. For a scholarship for the tuition of a student through all the College classes, \$300. For a scholarship for the board and tuition of a student through all the College classes, \$1,000. For any other scholarships the sum reduced shall be in the same proportion, the money in each case to be paid in advance into the treasury of the College.

The establishment of these scholarships is commended to the attention of the alumni and friends of the College.



Exercises of Commencement Week,

JUNE 21 to 25, 1885.

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BACCALAUREATE SERMON, BY
REV. J. B. VAN METER, D. D.,
Sunday, June 21, 8 p. m.

ADDRESS BEFORE THE PHILOKALIAN SOCIETY, BY
MILTON A. SPESSARD, Esq.,
Monday, June 22, 8 p. m.

ADDRESS BEFORE THE LITERARY SOCIETIES, BY
COL. H. KYD DOUGLAS,
Tuesday, June 25, 8 p. m.

COMMENCEMENT DAY,
Thursday, June 25, 10 a. m.

ALUMNI REUNION AND BANQUET,
Thursday, June 25, 9 p. m.

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ADDRESS BEFORE THE PHILOMATHEAN SOCIETY, BY
REV. VAUGHAN S. COLLINS,
May 7, 1886.

